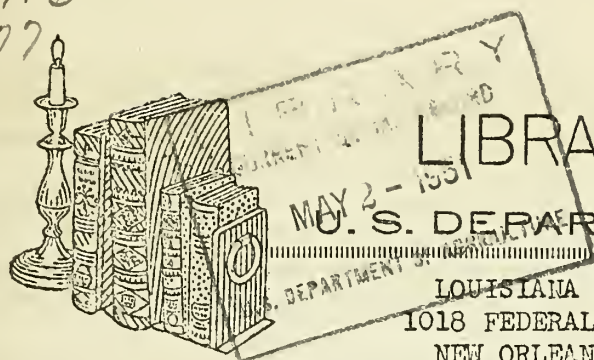


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## LIBRARY NEWSLETTER

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"From contemplation one may become wise, but knowledge comes only from study."  
--A. Edward Newton.

## BOOKS RECENTLY RECEIVED

CONSERVATION OF NATURAL RESOURCES, edited by Guy-Harold Smith. Wiley, 1950.  
552p. 279.12 Sm5

"A comprehensive coverage of our major resources, their history, geographical distribution, and regional and national use, this book emphasizes up-to-date conservation practices. Soils are discussed by Louis Wolfanger and William Rockie; Trees by J. Russell Smith; Grasslands by Herbert C. Hanson and Warren C. Whitman; and Irrigation by Ralph H. Brown.

The pertinent facts and conservation practices of forestry are discussed by Oliver D. Diller. Important conservation problems of water supply and power, flood control, minerals, wildlife, and fisheries are also treated in detail by John H. Garland, George J. Miller, Edwin J. Foscue, W. M. Myers, E. Willard Miller, Charles A. Dambach, Howard H. Martin, and the editor.

Reflecting the vital role of human factors on the preservation of our resources, the book contains a discussion of the conservation of man by the late Ellsworth Huntington. Information on recreational resources, government planning, and the public domain is also included." From The Alabama Lumberman, Jan. 1951.

CONSERVING SOIL RESOURCES: A GUIDE TO BETTER LIVING, compiled and edited by P. W. Chapman, F. W. Fitch, Jr., and C. L. Veatch. Smith, 1950. 355p.  
56.7 C36

This book was written in response to a demand for suitable organized teaching material dealing with soil conservation. It is a product of cooperative efforts of various agricultural and educational agencies; it presents a cross section of the thinking of all groups; it outlines the contributions made by all agencies, all services, and all the citizens of our country in carrying forward a complete program of soil and water conservation.

ETIQUETTE IN BUSINESS, by Marie L. Carney. McGraw-Hill, 1948. 514p.  
249.3 C21

This book "is based on the author's eighteen years of experience as a secretary, teacher, and personnel supervisor. The information and guidance that it contains should help the reader avoid unfortunate mistakes in his personal

relationships and wasted effort in his job performance. Etiquette in Business is, in fact, a book that shows people how to get along in business and how to do their work efficiently. Business situations and problems that are of particular interest to the new employee are presented and discussed in Parts 1 and 2. The material in Parts 3 and 4 is more advanced in character, treating topics that a person is likely to face as an experienced employee or when working in an executive capacity. Part 5, the concluding section of the book, is devoted to social life in business and is designed primarily for reference.

THE NUTRITIONAL IMPROVEMENT OF LIFE, by Henry C. Sherman. Columbia University Press, 1950. 270p. 389.1 Sh5N

This book deals essentially with the human implications of the new knowledge of nutrition. "We now have good scientific evidence that ... nutritional improvement of life can begin before birth or at practically any time after, that in early life it can mean improvement of mental as well as physical growth and development, and that this earlier maturity can be followed by a longer period and a higher plane of full adult capacity, with superior attainment and performance over a longer career, and a lower percentage of years of dependence. Much of what we had thought to be attributable to heredity or fate we now find to be amenable to nutritional improvement." From the Preface.

PRINCIPLES OF GENETICS, by E. W. Sinnott, L. C. Dunn, and Th. Dobzhansky. 4th ed. McGraw-Hill, 1950. 505p. 442 Si6 Ed.4

"The fourth edition of this textbook was called for not only by the many additions to our knowledge of genetics which the past ten years have brought but also by the need for correcting and strengthening those sections of the third edition which both we and many of our colleagues had recognized as inadequate. Although the entire book has been rewritten, we have tried to preserve its essential character as a general introduction to principles and the actual problems of genetics. The chief changes will be found in the chapters dealing with the physical basis of heredity in the chromosomes. ...

Most of the new material added concerns the fields of special interest to the two authors chiefly responsible for the revision, namely, population genetics and speciation on the one hand, and on the other, the mechanisms of genic effects on development. We have devoted a good deal of space to the use of fungi such as *Neurospora*, and microorganisms such as bacteria, protozoa, and viruses, which has opened up possibilities for understanding the mode of action of genes. The analysis of the breeding structure of natural populations in both animals and plants and of human populations has required the insertion of three chapters dealing with the general principles of population genetics based on the Hardy-Weinberg equilibrium, on race formation, and on speciation." From the Preface.

SAMPLING METHODS FOR CENSUSES AND SURVEYS, by Frank Yates. Harper, 1949. 318p. 251 Y2S

This book was written primarily for those who have little or no previous training in mathematical statistics, but who have some training or experience in the presentation and handling of statistical data. The work had its origin in a request of the United Nations Sub-Commission on Statistical Sampling that a manual be prepared to assist in the execution of the projected 1950 World Census of Agriculture and the 1950 World Census of Population. Just what the book covers may be seen from the chapter headings: The place of sampling in census work, Requirements of a good sample, The structure of various types of sample, Practical problems arising in the planning of a survey, Problems arising in the execution and analysis of a survey, Estimation of the population



values, Estimation of the sampling error, Efficiency.

WATER IN THE PHYSIOLOGY OF PLANTS, by A. S. Crafts, H. B. Currier, and C. R. Stocking. Chronica Botanica Compny, 1949. 240p. 463.32 C84

This is a comprehensive reference book on water in the physiology of plants written primarily for botanists and plant physiologists. The first two chapters, dealing with "Structure of Water" and "Properties of Solutions", give a good background for the following chapters on "Osmosis and Osmotic Pressure", "The Mechanism of Osmosis", "Water as a Plant Component-Intracellular Distribution of Water", "The Osmotic Quantities of Plant Cells", "Active Cell Water Relations", "Uptake and Movement of Water in Plants", and "Water Loss and Water Retention". Relatively little attention is given to soil moisture relations.

#### WHAT HAS HAPPENED?

Every year we have had from thirty to forty requests for the Proceedings of the Soil Science Society of America. We listed the 1949 Proceedings in the December Newsletter and had only three requests. Did you overlook it this year? Incidentally, it weighs less than four pounds this time! May be mailed under frank.

#### PACKETS OF BULLETINS

We had 125 requests for the packets listed in the October 1950 Newsletter. We hope the packets were helpful to those who received them. Perhaps you did not have time to read a packet of bulletins then and would like to do so now. Look in the October issue and let us know if you want a packet on one of those subjects. Maybe you have some other subject in mind. Let us know and we shall prepare a packet. We made a packet on soil conservation for someone, so that is also available now.

#### DEPOSIT COLLECTIONS

The 1950 series has been completed. If you wish to have us send you a package of three books every six weeks for several months, beginning in May, let us know. If you have special subject interests, we shall try to include at least one book on one of your special interests each time. Tell us those interests. Maybe you have received the deposit collections (or what we used to call travelers) in the past and would like to do so again. Send in your requests.

#### JIFFY BAGS

When we first started mailing books to you in Jiffy Bags, you returned the books in the bags. Lately the Jiffy Bags have not been coming back to us-- and the books have often been poorly wrapped. Do the bags get too dilapidated to be used again? If that is the case, could you use them to wrap around the books in place of corrugated cardboard, if you have no cardboard? The books need some protection in the mails other than just a piece of wrapping paper. If the books reach you in bad condition, we shall appreciate your telling us.

REMEMBER THAT YOUR LIBRARY IS HERE TO SERVE YOU.

SELECTED BULLETINS

Agricultural Engineering

- "The Bed-Load Function for Sediment Transportation in Open Channel Flows," by H. A. Einstein. USDA Tech. Bul. 1026. 1950. 71p. 1 Ag84Tc
- "A General Purpose Farm Sprayer," by W. S. Wood and W. J. Oates. Okla. Agr. Expt. Sta. Bul. No. B-363. 1951. 14p. 100 Ok4B 363

Agronomy

- "The Effect of Nitrogen, Phosphorus and Potassium on the Yield of Forage and Grain from Camellia Oats," by E. D. Cook and others. Tex. Agr. Expt. Sta. Progress Report 1327. 1951. 3p. 100 T31P
- "Experiments with Oil Crops," by D. G. Sturkie. Ala. Agr. Expt. Sta. Bul. 277. 1950. 28p. 100 AL1B
- "Mustang Oats," by I. M. Atkins. Tex. Agr. Expt. Sta. Bul. 728. 1950. 10p. 100 T31S
- "Sorghum Varieties for the Hard Lands of the Texas Panhandle," by K. B. Porter and C. J. Whitfield. Tex. Agr. Expt. Sta. Progress Report 1332. 1951. 3p. 100 T31P
- "Torpedo Grass," by E. M. Hodges and D. W. Jones. Fla. Agr. Expt. Sta. Cir. S-14. 1950. 4p. 100 F66C

Community Life

- "An Experiment in Informal Community Organization," by D. R. Davis. Tex. Agr. Expt. Sta. Progress Report 1323. 1951. 3p. 100 T31P
- "Neighborhood and Community Basis of Rural Organization: Suggested Methods and Procedures," by Bruce Poundstone and H. W. Beers. Ky. Ext. Ser. March 1942. 13p. 275.29 K415
- "Planning Recreation for Rural Home and Community," by E. J. Niederfrank and Virginia Musselman. USDA Agr. Information Bul. 20. 1950. 60p. 1 Ag844b
- "Rural Organization of Bradford County Pennsylvania," by D. G. Hay and M. E. John. Pa. Agr. Expt. Sta. Bul. 524. 1950. 38p. 100 P38

Conservation

- "Better Living through Wise Use of Resources," by H. Hatcher. Office of Education Bul. 1950 No. 15. 76p. 156.3 B87
- "Russian-Olive for Wildlife and Good Land Use," by A. E. Borell. USDA Leaflet 292. 1951. 8p. 1 Ag84L 292
- "You owe the land a living! 6 Lessons in Conservation." U. S. Forest Service (and the Country Women's Council, U.S.A.) 1950. 1.962 A2Y08
- "Why An Economics of Conservation?" by J. H. Southern. Tex. Agr. Expt. Sta. Misc. Pub. 66. 1951. 5p. 100 T31M 66

### Farm Research

- "Applying Science to Farm Problems." 59th report of the Agricultural Experiment Station, Fayetteville, Arkansas. Bul. 505. 1950. 31p. 100 Ar42
- "Research for Farm and Home," by J. H. Longwell and S. B. Shirky. Annual report of the Missouri Experiment Station, June 30, 1948-July 1, 1949. Bul. 535. 1949. 103p. 100 M693
- "Research Sets Patterns for the Central Blacklands," by J. R. Johnston. Tex. Agr. Expt. Sta. Misc. Pub. 65. 1951. 29p. 100 T31M
- "Science Serving Agriculture: a Mid-Century Report of Oklahoma's Farm Research Unit." Okla. Agr. Expt. Sta. Biennial report 1948-50. 2 parts. 100 Ok4

### Feeds and Feeding

- "Beef Cattle Feeding and Grazing Investigations for 1947-48." Kan. Agr. Expt. Sta. Cir. 260. 1950. 15p. 100 K13S
- "Beef Cattle Feeding and Grazing Investigations for 1948-49." Kan. Agr. Expt. Sta. Cir. 261. 1950. 15p. 100 K13S
- "Feeding the Dairy Cow Efficiently," by K. L. Turk and W. T. Crandall. Cornell Ext. Bul. 363. Revised 1950. 55p. 275.29 N48E
- "Preliminary Observations on Citrus Seed Meal as a Protein Supplement for Fattening Steers and Swine," by R. S. Glasscock and others. Fla. Agr. Expt. Sta. Cir. S-12. 1950. 7p. 100 F66C S-12
- "Preliminary Observations on the Comparative Value of Roughages for Maintenance and Growth of Beef Cattle," by R. S. Glasscock and others. Fla. Agr. Expt. Sta. Cir. S-9. 1950. 6p. 100 F66C

### Fertilizer

- "Behavior of Nitrogenous Fertilizers in Alkaline Calcareous Soils: II. Field Experiments With Organic and Inorganic Nitrogenous Compounds," by W. H. Fuller and others. Ariz. Agr. Expt. Sta. Tech. Bul. 121. 1950. 100 Ar4T
- "Crop and Fertilizer Recommendations for Mississippi 1951," by F. J. Welch. Miss. Agr. Expt. Sta. Cir. 156. 1950. 19p. 100 M69C
- "Fertilizer Experiments With Cotton," by O. H. Long and B. P. Hazlewood. Tenn. Agr. Expt. Sta. Bul. 220. 1951. 20p. 100 T253

### Forestry

- "Binoculars With Mil Scale as a Training Aid for Estimating Form Class," by H. W. Camp, Jr. and C. A. Bickford. Northeastern Forest Expt. Sta. Station Paper 32. 1949. 11p. 1.9622 N2St22
- "Chemical Control of Brush and Tree Growth for the Lake States," by Paul O. Rudolf. Lake States Forest Expt. Sta. 1951. Misc. Report 15. 30p. 1.9622 L2M68
- "Fall Planting of Pine on Upland Soils of Southern Illinois," by L. S. Minckler. Central States Forest Expt. Sta. Tech. Paper 118. 1951. 11p. 1.9622 C3T222
- "Forests and Water in the Alabama-Coosa River Basin: Forest Land and Water Resources Relationships, Problems, and Programs. U. S. Forest Service. 1950. 24p.



"A National Policy for Timber Lands," by E. L. Demmon. Lake States Forest Experiment Station, Misc. Report 16. 1951. 5p. 1.9622 L2M68

"Thirtieth Annual Report, 1950." Southern Forest Experiment Station. 90p. 1.9 F7624

"Suggestions for Getting More Forestry in the Logging Plan," by R. H. Ruth and R. R. Silen. Pacific Northwest Forest & Range Expt. Sta. Research Notes 72. 1950. 15p.

#### Horticulture

"Lignin for Golf Greens and Other Horticultural Uses," by I. V. Anderson. Northern Rocky Mountain Forest & Range Expt. Sta. Research Note 87. 1951. 4p. 1.9622 N3R31

"Muskmelons," by J. H. Beattie and S.P. Doolittle. USDA Farmers' Bul. 1468. 38p. 1 Ag84F

"Peach Growing East of the Rocky Mountains," by L. Havis and others. USDA Farmers' Bul. 2021. 1951. 54p. 1 Ag84F

#### Range and Pasture

"Crested Wheatgrass Grazing Values," by E. J. Woolfolk. Northern Rocky Mountain Forest & Range Expt. Sta. Research Note 91. 1951. 10p. 1.9622 N3R31

"First-Year Yields from Louisiana White Clover-Dallis Grass Pasture Plots on Carnegie and Tifton Fine Sandy Loams," by N. Gammon, Jr., and others. Fla. Agr. Expt. Sta. Cir. S-19. 1950. 5p. 100 F66C

"Pastures Improved with Tillage-Treatment-Seed." W. Va. Agr. Expt. Sta. Bul. 327. Revised 1950. 39p. 100 W52

"Roseeding Sagebrush Lands of Western Colorado," by A. C. Hull, Jr. and others. Colo. Agr. Expt. Sta. Bul. 413-A. 1950. 23p. 100 C71T

"Simulated Grazing Treatments: Effect on Yield, Botanical Composition, and Chemical Composition of a Permanent Pasture," by W. K. Kennedy. Cornell Agr. Expt. Sta. Memoir 295. 1950. 47p. 100 M48C

"Special Range and Pasture Grass Seed Report." BAE. 1951. 7p. 1.941

#### USDA Reports

"Report of Activities Under the Research and Marketing Act, 1950." 36p. 1 Ag84

"Report of the Administrator of the Farmers Home Administration, 1950." 45p.

"Report of the Administrator of the Production and Marketing Administration, 1950." 83p. 1 Ag84

"1950 Report of the Chief of the Forest Service." 69p. 1 Ag84

"Report of the Chief of the Soil Conservation Service, 1950." 78p. 1 Ag84

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Vera S. Lind, Assistant in Charge  
of Circulation